

Attorney Docket No.: PENN-0749  
Inventors: Muzykantov et al.  
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This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

Claims 1-4 (canceled)

Claim 5: (currently amended) A method for ~~augmenting local anti-thrombotic potential of endothelium and~~ dissolving of intravascular blood clots in the pulmonary vasculature of an animal comprising intravenously administering to the animal a fibrinolytic or anticoagulant agent conjugated with an antibody which binds to an antigen on the luminal surface of the vascular endothelium without subsequent internalization into endothelial cells.

Claims 6-8 (canceled)

9. (new) A method for dissolution of fibrin clots comprising administering a non-internalizable antibody to ICAM-1 conjugated to an anti-thrombotic agent.